

Claims

What is claimed is:

- 1 1. An abrasive pad for delivering a skin treatment for the treatment of animal and marine
2 stings, comprising:
3 a material having an abrasive surface, wherein said surface is sufficiently abrasive to
4 mechanically abrade at least the stratum corneum from a patient's skin; and
5 a treatment solution applied to said material for contact with the patient's skin, wherein
6 said treatment solution comprises a solution of 65.0% to 98.0% aloe vera and 0.1% to 20.0%
7 of at least one proteolytic enzyme and said treatment solution contains substantially no added
8 water.
- 1 2. The abrasive pad according to claim 1, wherein said pad is multilayered.
- 1 3. The abrasive pad according to claim 1, wherein said pad comprises an absorbent
2 material carrying said treatment solution, and a porous abrasive material.
- 1 4. The abrasive pad according to claim 1, wherein said pad comprises a burstable
2 receptacle containing said treatment solution.
- 1 5. The abrasive pad according to claim 1, wherein said pad comprises three layers
2 including two outer layers and a central layer, at least one of the outer layers being of an
3 abrasive material, and the burstable receptacle forming the central layer.
- 1 6. The abrasive pad according to claim 1, wherein a plurality of burstable receptacles are
2 provided, at least one of said burstable receptacles containing a different treatment solution
3 from at least one other of said burstable receptacles.
- 1 7. The abrasive pad according to claim 1, wherein said abrasive surface is formed of
2 matted non-woven fibers.

1 8. The abrasive pad according to claim 1, wherein said abrasive surface is formed of a
2 loop fabric.

1 9. The abrasive pad according to claim 1, wherein said abrasive surface is sponge-like.

1 10. The abrasive pad according to claim 1, wherein said pad includes a mitt adapted to be
2 worn over a hand of a user.

1 11. The abrasive pad according to claim 1, wherein 0.1% to 5.0% of said solution
2 comprises said at least one proteolytic enzyme.

1 12. The abrasive pad according to claim 11, wherein 0.9% to 1.1% of said solution
2 comprises said at least one proteolytic enzyme.

1 13. The abrasive pad according to claim 1, wherein said at least one proteolytic enzyme is
2 papain.

1 14. The abrasive pad according to claim 1, wherein 90.0% to 98% of said solution
2 comprises aloe vera.

1 15. The abrasive pad according to claim 1, wherein 1.0% to 10.0% of said solution
2 comprises at least one humectant.

1 16. The abrasive pad according to claim 15, wherein said at least one humectant is
2 glycerin.

1 17. The abrasive pad according to claim 1, wherein 0.1% to 5.0% of said solution
2 comprises at least one viscosity agent.

1 18. The abrasive pad according to claim 17, wherein said at least one viscosity agent is at
2 least one of sodium chloride and xanthan gum.

- 1 19. The abrasive pad according to claim 1, wherein 0.05% to 1.0% of said solution
2 comprises at least one pH stabilizer.
- 1 20. The abrasive pad according to claim 19, wherein said pH stabilizer is
2 aminomethylpropanol.
- 1 21. The abrasive pad according to claim 1, wherein 0.05% to 1.1% of said solution
2 comprises at least one anti-bacterial agent.
- 1 22. The abrasive pad according to claim 21, wherein said at least one anti-bacterial agent
2 is at least one of diazolidinyl urea and triclosan.
- 1 23. The abrasive pad according to claim 1, wherein 0.05% to 0.25% of said solution
2 comprises at least one fungal agent.
- 1 24. The abrasive pad according to claim 23, wherein said at least one fungal agent is at
2 least one of methylparaben and propylparaben.
- 1 25. The abrasive pad according to claim 1, wherein said solution comprises at least one
2 surfactant.
- 1 26. The abrasive pad according to claim 1, wherein said solution comprises at least one
2 antitoxin.
- 1 27. The abrasive pad according to claim 1, wherein said solution comprises at least one
2 antiseptic.
- 1 28. The abrasive pad according to claim 1, wherein said solution comprises at least one
2 alcohol.

- 1 29. The abrasive pad according to claim 1, wherein the sting has been caused by an
2 arthropod.
- 1 30. The abrasive pad according to claim 29, wherein the arthropod is *Solenopsis Invicta*.
- 1 31. The abrasive pad according to claim 1, wherein the sting was caused by a cnidarian.
- 1 32. The abrasive pad according to claim 31, wherein the cnidarian is a larval of the thimble
2 jellyfish.
- 1 33. A solution for treating animal and marine stings, comprising:
2 65.0% to 98.0% aloe vera; and
3 0.1% to 20.0% of at least one proteolytic enzyme;
4 wherein said solution contains substantially no added water.
- 1 34. The solution according to claim 33, wherein 0.1% to 5.0% of said solution comprises
2 said at least one proteolytic enzyme.
- 1 35. The solution according to claim 34, wherein 0.9% to 1.1% of said solution comprises
2 said at least one proteolytic enzyme.
- 1 36. The solution according to claim 33, wherein said at least one proteolytic enzyme is
2 papain.
- 1 37. The solution according to claim 33, wherein 90.0% to 98% of said solution comprises
2 aloe vera.
- 1 38. The solution according to claim 33, wherein 1.0% to 10.0% of said solution comprises
2 at least one humectant.
- 1 39. The solution according to claim 38, wherein said at least one humectant is glycerin.

1 40. The solution according to claim 33, wherein 0.1% to 5.0% of said solution comprises
2 at least one viscosity agent.

1 41. The solution according to claim 40, wherein said at least one viscosity agent is at least
2 one of sodium chloride and xanthan gum.

1 42. The solution according to claim 33, wherein 0.05% to 1.0% of said solution comprises
2 at least one pH stabilizer.

1 43. The solution according to claim 42, wherein said at least one pH stabilizer is
2 aminomethylpropanol.

1 44. The solution according to claim 33, wherein 0.05% to 1.1% of said solution comprises
2 at least one anti-bacterial agent.

1 45. The solution according to claim 44, wherein said at least one anti-bacterial agent is at
2 least one of diazolidinyl urea and triclosan.

1 46. The solution according to claim 33, wherein 0.05% to 0.25% of said solution comprises
2 at least one fungal agent.

1 47. The solution according to claim 46, wherein said at least one fungal agent is at least
2 one of methylparaben and propylparaben.

1 48. The solution according to claim 33, wherein said solution comprises at least one
2 surfactant.

1 49. The solution according to claim 33, wherein said solution comprises at least one
2 antitoxin.

1 50. The solution according to claim 33, wherein said solution comprises at least one
2 antiseptic.

1 51. The solution according to claim 33, wherein said solution comprises at least one
2 alcohol.